C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.56.aq RHIC Zone 7z1 Sweep Checklist

Text Pages 2 through 3

C-A OPM Procedures in which this Attachment is used.

4.56		

Hand Processed Changes

HPC No.	Date	Page Nos.	Initials
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Approved: _____*Signature on File*_____   _____
Collider-Accelerator Department Chairman   Date

P. Ingrassia, W. MacKay

RHIC Zone 7z1 Sweep Checklist
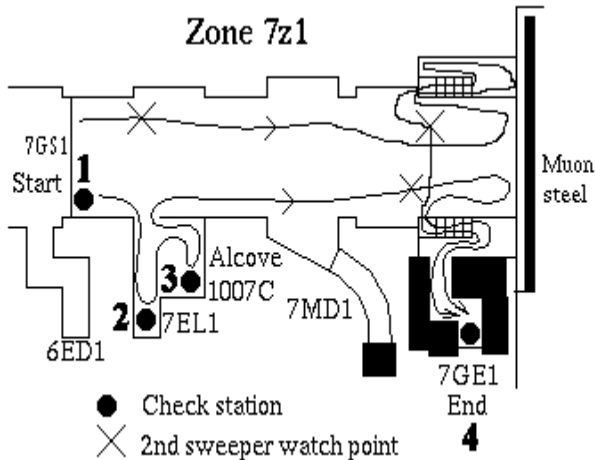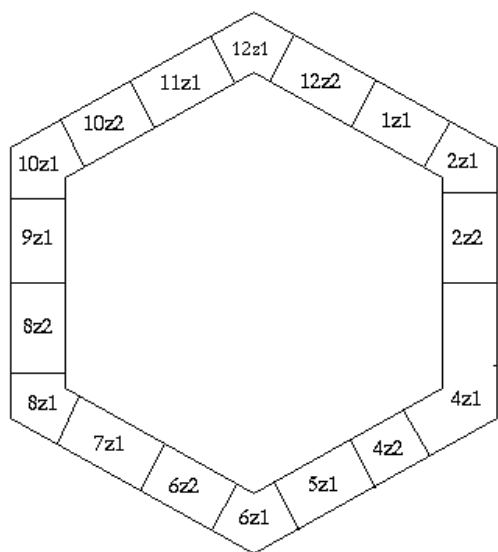
Team Leader (**TL**)_____ Sweeper#2 (**S2**)_____

Time:_____ Date:_____

Warning: **IF** any workers are encountered during the sweep, **THEN** contact the OC to see if the sweep should be aborted. Workers shall leave the enclosure **WITH** the sweep team. **IF** the workers crash out of the enclosure **AND** do not exit with the sweep team, **THEN** the sweep shall be re-started.

Prerequisites
* Two persons to perform the sweep,
* At least one sweeper not restricted from working at heights over five feet.
* RHIC Zone 7z1 Sweep Checklist (two pages)
* Required Tools: at least one flashlight,
* **Walkie-talkies (no phones at 7GE1)**
* Approved padlocks (2) for 7MD1 gate and Vapor Barrier Gate
* All Doors closed THEN 7z1 set to Controlled Access
* Keys: Sweep Reset key S/R015, Controlled Access key CA014, padlock key (RG184), padlock key (245341)

Note: References to positions in the tunnel are made using the RHIC magnets. The identity of the local magnet can be determined by looking up at the "lower" cable tray and reading the magnet name on a blue (B) or yellow (Y) label. For example, the convention used is: I05Q17 (Inside, Q17) or O-05Q17 (Outside, Q17). References are for inside locations and are visilble only by the TL

check
____1.   Sweep team goes to gate 7GE1 TL requests simultaneous release from MCR.
____2.   TL opens 7GE1 gate by turning the CA014 key clockwise, in the Controlled Access key-switch
          while Operator in MCR presses simultaneous release for 7GE1.

CONTINUED ON REVERSE SIDE

_____3. Before start of sweep walk CW to 7MD1 where TL verifies 7MD1 gate is padlocked and reset. IF the gate is not padlocked then sweep the area, padlock the door, and reset the gate.

_____4. Sweep Team walks to 7GS1 doors. (TL inside and Sweeper 2 outside).

_____5 TL resets 7GS1 gate by turning S/R015 key in the RESET keyswitch at 7GS1-I

_____6 TL observes RESET lamp light

_____7 TL STARTS SWEEP by turning the S/R015 key CW in the SWEEP key-switch on 7CS1.

_____6. TL observes AREA SECURED lamp blink once.

_____7. Sweep team sweeps Clockwise (CW) around RHIC.

_____9. TL stops to check the Exhaust Fan Vent Barrier at I-07Q17.

_____10. Sweep team sweeps Clockwise (CW) around RHIC.

_____11. S2 stands static watch at the electrical services alcove opposite I07Q13.

_____12. TL enters the alcove and goes to the ladder at 7EL1.

_____13. IF there is no mirror to verify no one is on the landing at the top of the ladder, THEN TL must climb the ladder to verify no one is on the landing and to check that 7EL1 is closed.

_____14. TL resets gate 7EL1 using the S/R015 key in the Reset keyswitch at the bottom of the ladder.

_____15. IF 7EL1 will not reset THEN TL climbs the ladder, closes 7EL1, then repeats step 14.

_____16. TL observes RESET lamp lights after RESET.

_____17. TL sets second check station (7CS2) by turning S/R015 key in the SWEEP keyswitch.

_____18. TL observes AREA SECURED lamp blink once.

_____19 TL searches goes to the far corner of the alcove to 7CS3.

_____20. TL sets third check station (7CS3) by turning S/R015 key in the SWEEP keyswitch.

_____21. TL observes AREA SECURED lamp blink once.

_____22 TL checks inside EVERY rack and then sweeps out the alcove and joins S2.

_____23 TL checks fan vent barrier on vent above S2 and observes overhead barricade is in place.

_____24 Sweep team sweeps Clockwise (CW) around RHIC.

_____25 Sweep Team stops to check the inner and outer Exhaust Fan Vent Barriers at I07Q9.

_____26. Sweep team sweeps Clockwise (CW) around RHIC.

_____27 Sweep Team stops to check the Electrical Alcoves and overhead barricades at I07D5

_____28. Sweep team sweeps Clockwise (CW) around RHIC to I07Q3 before the Muon Steel.

_____29 TL stands static watch at I07Q3

_____30 S2 checks exhaust fan vent grating at O-07Q3.

_____31 Sweeper # 2 walks to Muon Steel and sweeps back to the stairs.

_____32 S2 checks exhaust fan vent grating at O-07Q1.

_____33 S2 goes down the stairs, walks to the Muon steel and searches the gap between the steel and the tunnel with a flashlight.

_____34 S2 sweeps the mezzanine, climbs the stairs.

_____35 S2 goes to the caged area at the end of the Dx magnet and sweeps the caged area from the outside of the cage. IF the door is unlocked then they will go in, sweep the cage, exit, and padlock the door.

_____36 S2 sweeps to I07Q3 and joins TL

_____37 S2 stands static watch (at I07Q3) where they can see the entry to the stairs on the opposite side of the tunnel.

_____38 TL walks to Muon Steel, unlocks padlock, opens the Vapor Barrier Gate, searches the barricaded volume beyond the Vapor Barrier Gate, closes and padlocks the Vapor Barrier gate, and sweeps back to the stairs.

_____39 TL goes down the stairs, walks to the Muon steel and searches the gap between the steel and the tunnel with a flashlight.

_____40 TL sweeps the mezzanine, but DOES NOT climb the stairs.

_____41 TL CALLS to S2 to join him/her.

_____42 Sweep Team sweeps out labyrinth to 7GE1.

_____43 TL ENDS SWEEP by turning the S/R015 key SWEEP key on 7CS4.

_____44 TL observes the yellow AREA SECURED lamp is lighted

_____45 TL radios MCR for simultaneous release for gate 7GE1.

_____46 Sweep Team sweeps out 7z1 through 7GE1 door.

_____47 TL contacts MCR and confirms that gates are reset and 7z1 zone indicates sweep is good.

Note:
IF the AREA SECURED lamp is not lit THEN contact MCR to verify sweep is good.

_____48 Sweep and lock fenced area outside 7Ge1. Lock with corbin padlock #245341 found on the gate.

_____49 After returning keys to the keytree, TL resets 7GE1 using the RHIC PanelView

_____50 After returning to MCR and verifying that all information is filled out completely, TL files the checklist in FY_xx Sweep Log binder.